"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

ADRASHEV,G.R., kand.tekhn.nauk; BARAM,Kh.G., kand.tekhn.nauk; VAS'KOVSKIY,S.Ye., inzh.; VOSTRIKOV,N.A., inzh.; IVANOV,N.A., inzh.; NANKIN,G.A., inzh.; POLYAK,A.Ya., kand.tekhn.nauk; BOLTINSKIY,V.N., akademik,red.; VOLKOV,G.I., inzh.,red.; LEVYKIN, N.N., kand.tekhn.nauk,red.; PORTNOV, M.N., kand.tekhn.nauk, red.; BUD'KO, V.A., red.; TRUKHINA, O.N., tekhn. red.

[Tractor performance at increased speeds] Traktornye raboty na povyshennykh skorostiakh. Moskva, Sel'khozgiz, 1961. 174 p. (MIRA 15:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva.
(Tractors)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710(

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LEVYKIN, N.N.

Overall mechanization as the basis of the development of agriculture. Mekh. i elek. sots. sel'khoz. 21 no.5:1-6 '63. (MIRA 17:1)

1. Zamestitel' ministra sel'skogo khozyaystva SSSR.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVYKIN, N.N.

Overall mechanization as the most important condition of the intensification of agriculture. Zemledelie 26 no. 4:3-6 Ap '64. (MIRA 17:5)

1. Zamestitel' Ministra sel'skogo khozyaystva SSSR.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

ACCESSION NR: AP4049455 S/0317/64/000/008/0051/0054

26

AUTHOR: Levy*kin, V. (Lieutenant colonel)

TITLE: Protection against a shock wave: shelters for technical equipment

SOURCE: Tekhnika i vooruzheniye, no. 8, 1964, 51-54

TOPIC TAGS: blast shelter, shock wave, bomb shelter, shelter design, shelter construction

ABSTRACT: Computations have shown that simple shelters, such as those shown in Fig. [illegible] of the Enclosure, can decrease the destructive range of nuclear weapons by 33-50% for [illegible] combat equipment [illegible] the [illegible] water [illegible] the shelter [illegible] always possible [illegible] to be used. The shelter dimensions should be 1-1.5 meters larger than the dimensions of [illegible] equipment to enable convenient servicing. [illegible] on level ground [illegible] by heavy-duty earth [illegible] manpower. The [illegible] the dugout should ordinarily [illegible] 1.5 m above ground. Higher shelters are easily detectable. There are also several [illegible] of open shelters, such as a trench for all types of firing equipment (tanks and artillery). The automobile shelters have only one entrance [illegible] combat equipment vehicles

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such as tanks, artillery tractors and personnel carriers must have shelters with entrances on either side to enable fast deployment after attack. The entrances are dug out on an incline which is up to 10° for wheeled vehicles and up to 20° for track vehicles. Group shelters are used when a group of vehicles must be together to perform their assigned [illegible]. Shelters for radar equipment should have [illegible] line of sight for the [illegible] of all [illegible] machines. The remainder, such as water collecting holes, camouflage, etc., must be done by military personnel. Therefore it is extremely important that every soldier be familiar with all [illegible] construction [illegible].

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L 24394-65

ACCESSION NR: AP4049455 ENCLOSURE: 01

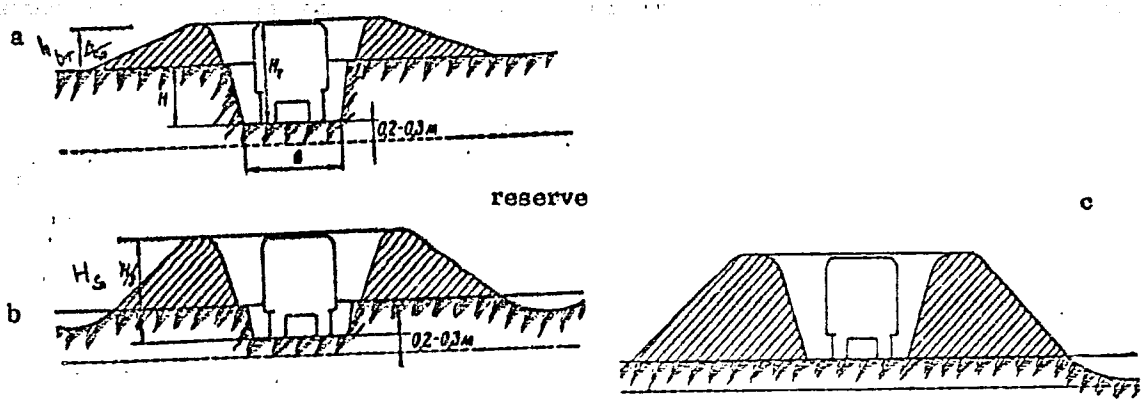

Fig. 1. Types of shelters: a - normal, b - half-filled, c - filled. h_{br} - height of breastwork, H_s - height of shelter, B - width of dugout at bottom; $H_s = h_{br} + H + 0.2$ m.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

14(3) SOV/176-58-7-9/17

AUTHORS: Levykin, V., Major ; Kerskiy, A., Colonel

TITLE: Fortifications Made of Paper Bags Filled With Earth (Fortifikatsionnyye sooruzheniya iz bumazhnykh zemlenosnykh meshkov)

PERIODICAL: Voyenno-inzhenernyy zhurnal, 1958, Nr 7, pp 23-27 (USSR)

ABSTRACT: The authors state that fortifications in barren, desert and mountain areas always are a difficult problem, which to a degree was solved by the use of bags filled with earth. Bags of textile material, with all their qualities of strength, nevertheless are expensive and easily rot in the ground. In this respect, paper bags are preferable. They are made of several layers of solid paper, some of which are bituminized. The paper is glued together longitudinally. The bags are of 2 standard sizes: 80 x 32 1/2 cm or 60 x 25 cm when filled and weighing 35 kg. Another size is 220

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SOV/176-58-7-9/17

Fortifications Made of Paper Bags Filled With Earth

x 42 cm. Paper bags are light and can be made in different shapes, as for instance to make arches for overhead covers. The authors describe methods of defence constructions using such bags. There are 2 tables and 6 sets of diagrams.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

L 02502-67 EWT(1) RO

ACC NR: AP6016806 (A) SOURCE CODE: UR/0018/66/000/001/0091/0094

AUTHOR: Levykin, V. (Lieutenant colonel); Milisov, V. (Lieutenant colonel) 23 B

ORG: none

TITLE: Entrenchments must be constructed rapidly even in winter

SOURCE: Voyennyy vestnik, no. 1, 1966, 91-94

TOPIC TAGS: military engineering, military tactic

ABSTRACT: /Levykin/ Shelter, dugouts, and trenches for personnel, and trenches and excavations for military, special, and transport purposes provide protection in winter as well as in other seasons from all destructive effects of nuclear explosions, conventional means of destruction and chemical warfare. However, construction of these works under winter conditions involves a number of special features with which commanders should be acquainted. For example, if the depth of the frozen ground does not exceed 10-15 cm, it is better to break the crust with explosives or with entrenching tools, and then to proceed with the excavation. When the snow cover is more than 80 cm, and the layer of frozen ground is very thick, trenches and communications can be

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I. 02502-67

ACC NR: AP6016806

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constructed directly in the snow. [Milisov] The author describes a method of excavating trenches in frozen ground. He first describes an instrument for testing the level of the ground water, which is necessary before excavation of trenches. A bulldozer is then used to remove the surface snow, and parallel trenches are dug with a special excavating machine. The procedure and the finished trenches are illustrated in a series of figures. Orig1 art. has: 4 figures.

SUB CODE: 15/ SUBM DATE: none

Card 2/2 pla

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVYKIN, V. V.

Oil shales in the Baltic region Leningrad, Gos. nauch.-tekhn. izd-vo neftianoi i gorno-top-livnoi lit-ry, 1947. 99 p. (48-26886)

TN958.L48

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVYKIN, V.V.

Methods for evaluating the commercial raw material of the oil-shale industry based on test drilling cores. Khim. i tekh. gor. slan. i prod. ikh perer. no.8:219-223 '60. (MIRA 15:2)

(Oil-shale industry)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVYKIN, V.V.

Control of mine waters as exemplified by the exploitation of the Leningrad deposits of oil shales. Khim. i tekh. gor. slan. i prod. ikh perer. no.9:69-78 '60. (MIRA 15:6)
(Baltic Sea region--Oil shales) (Mine drainage)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVYKIN, Ye.D., inzh.; MURASHOV, A.F., inzh.

Construction of a tower-type reinforced concrete head frame and simultaneous use of the shaft for conducting mining operations. Izv.vys.ucheb.zav.;gor. zhur. 6 no. 12:14-20 '63. (MIRA 17:5)

1. Trest Boksitstroy. Rekomendovana kafedroy shakhtnogo stroitel'stva Sverdlovskogo gornogo instituta.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVYKIN, Ye.V.

Development of gas deposits with regard to gas conditions. Gaz. prom.no.3:10-15 Mr '56. (MLRA 10:1)
(Gas wells)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

RAABEN, V.N.; LEVYKIN, Ye.V.

Underground storage of gas. Gaz. prom. no.10:43-46 O '58. (MIRA 11:11)
(Gas--Storage)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVYKIN, Ye.V.; KIRYN, A.L.

Method for calculating the process of pumping gas into the water-bearing bed for the purpose of underground gas storage. (MIRA 12:1)
Gaz.prom. 4 no.1:38-41 Ja '59.
(Gas, Natural--Storage)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

KHEYN, A.L.; LEVYKIN, Ye.V.; RAABEN, V.N.; KOROCHKIN, M.S.

Combined study of water-bearing layers intended for underground gas storage. Trudy VNIIGAZ no.11:3-15 '61. (MIRA 15:2)
(Gas,Natural--Storage)(Water, Underground)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R00092971

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVYKIN, Ye.V.; RAABEN, V.N.; BUZINOV, S.N.

Gas-dynamic method of studying structures intended for underground gas storage and an example of its use in studying the Kaluga structure. Trudy VNIIGAZ no.11:51-79 '61. (MIRA 15:2)
(Kaluga Highland--Water, Underground)(Gas, Natural--Storage)
(Gas dynamics)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVYKIN, Ye.V.

Comparison of estimated and actual data on test gas injection into the Gdov water-bearing layer of the Kaluga structure. Trudy VNIIGAZ no.11:80-101 '61. (MIRA 15:2)
(Kaluga Highland--Water,Underground)(Gas,Natural--Storage)
(Gas dynamics)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

BUZINOV, S.N.; LEVYKIN, Ye.V.

Methods for calculating the basic parameters of underground gas reservoirs. Gaz. prom. 6 no.11:39-46 '61. (MIRA 15:1)
(Gas, Natural--Storage)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

BUZINOV, S.N.; LEVYKIN, Ye.V.; SOLDATKIN, G.I.

Buffer and active volumes in the storage of gas in water-bearing beds. Gaz. prom. 9 no.11:33-38 '64.

(MIRA 17:12)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

ACC NR: AP7001425 (A) SOURCE CODE: UR/0413/66/000/021/0141/0141

INVENTORS: Filippov, B. M.; Shaks, S. R.; Levykina, I. D.

ORG: none

TITLE: A device for checking the hermetic seal of hollow products. Class 21, No. 188095 [announced by Special Construction Engineering Bureau No. 6 (Spetsial'noye konstruktorskotekhnologicheskoye byuro No. 6)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 141

TOPIC TAGS: hermetic seal, mechanical motion instrument, automatic pneumatic control, automatic machine, automation

ABSTRACT: This Author Certificate presents a device for checking the hermetic seal of hollow products. The device contains a feeder, a carrying mechanism for the products, a mechanism for placing the products in a position for checking, an apparatus for sorting the checked products, and a gauging pneumatic assembly which activates the sorting mechanism. To mechanize the process of checking for the hermetic seal, the carrying mechanism is made in the form of combs surmounted by a rigid plate. A part of the combs serves to deliver the products (see Fig. 1). The mechanism for placing the products in a position for checking contains a spring-loaded carriage with two compressing holders. The carriage is pushed by the drive mechanism until it coincides with the connecting pipe of the pneumatic assembly.

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UDC: 686.863.6:621-186.3

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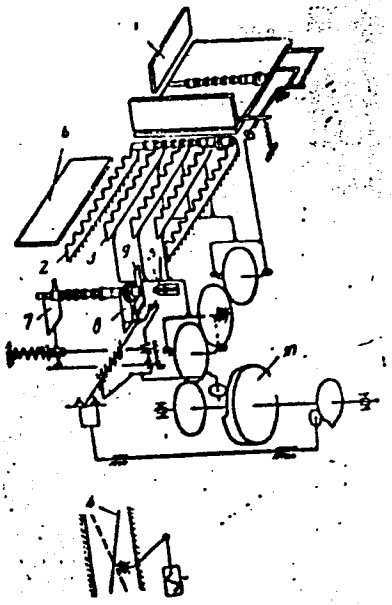
ACC NR:AP7001425

Fig. 1. 1 - feeder; 2 and 3 - combs for transporting the products; 4 - mechanism for sorting the products; 5 - connecting pipe of the pneumatic assembly; 6 - rigid plate; 7 - spring-loaded carriage; 8 and 9 - compressing holders; 10 - knuckle of carriage drive mechanism



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 15Apr65

Card 2/2

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

L 12923-65 EWT(l)/EWG(k)/EWT(m)/T/EWP(t)/EWP(b) Pz-6 IJP(c) JD/JG/AT
ESD/AFWL/ASD(a)-5/RAEM(a)/ESD(gs)/ESD(t)

ACCESSION NR: AP4045285 S/0048/64/028/009/1431/1435

AUTHOR: Yurasova, V.Ye.; Levy*kina, L.N.; Brzhezinskiy, V.A.

TITLE: Sputtering of single crystals of III-V type semiconductors /Report, Tenth Conference on Cathode Electronics held in Kiev, 11-18 Nov 1963/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v.28, no.9, 1964, 1431-1435

TOPIC TAGS: cathode sputtering, single crystal, semiconductor, indium antimonide, gallium arsenide

ABSTRACT: Sputtering of single crystals of InSb and GaAs was investigated. These materials were chosen for study partly because of their technical importance, and partly to extend our knowledge of sputtering anisotropy to more complex crystal structures than the simple cubic structures previously investigated. It was also desired to obtain information concerning the relative sputtering rates of the different components of a compound. A sphere cut from a single crystal of the material under investigation was held at a negative potential of 1 to 3 kV in a plasma (pressure - 10^{-3} mm Hg; ion density - 10^{12} cm^{-3}; composition - unspecified), and the sputtered material was collected on the inner wall of a spherical glass shell sur-

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rounding the sample. The current density was of the order of 1 mA/cm^2, and the duration of the sputtering was 30 min for InSb and 5 to 6 hr for GaAs. The composition of the sputtered material, which was deposited mainly in the direction of certain crystallographic axes, was determined chemically, spectroscopically, and by means of electron diffraction. In addition to the usual circular spots of sputtered material, hexagonal spots were formed. These were centered in the [111] directions, and their corners were in the [110] and [114] directions. The hexagonal spots were more clearly developed for InSb than for GaAs. In the [$\bar{1}\bar{1}\bar{1}$] directions the pattern was different: the [111] spots were very weak and the [$\bar{1}\bar{1}\bar{4}$] spots were absent. It was determined by auxiliary experiments with dendritic crystals that the [111] directions, giving the hexagonal spots, correspond to the indium faces of the crystal. The general background of sputtered material and the spots formed in the [$\bar{1}\bar{1}\bar{1}$] directions were found to consist only of the compound InSb. The hexagonal spots consisted also mostly of InSb, but they contained admixtures of free In in the [111], [110] and [114] directions. Free In was also found in the deposit in the [$\bar{1}\bar{1}\bar{0}$] (antimony) direction of dendritic crystals. The results are discussed in terms of the [illegible] effect in collisions within crystals [illegible] J.Appl.Phys.28,1246, [illegible] collisions near [illegible] difference

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ACCESSION NR: AP4045295

6

between the patterns in the [111] and [$\bar{1}\bar{1}\bar{1}$] directions, nor for the preferential sputtering of indium in the [110] direction. "In conclusion, we express our gratitude to G.V.Spivak for his interest in the work and for valuable remarks, to M.S. Mirgolovskaya, M.Ya.Dashevskiy and Ye.G.Valyashko for making the dendritic InSb available and for valuable consultations, and also to V.V.Shakhmanov for his assistance in the electron diffraction studies. Orig.art.has: 6 figures.

ASSOCIATION: Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta (Physics Department, Moscow State University)

SUBMITTED: 00 ENCL: 00

SUB CODE: EC, SS NR REF SOV: 003 OTHER: 006

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

L 1857-66 EWT(m)/EWP(i)/EWP(t)/EWP(b) IJP(c) JD

ACCESSION NR: AP5022750 UR/0181/65/007/009/2875/2877

AUTHOR: Yurasova, V. Ye.; Levykina, L. N.; Yefremenkova, V. M.

TITLE: Deposition of thin films of intermetallic compounds by cathodic sputtering

SOURCE: Fizika tverdogo tela, v. 7, no. 9, 1965, 2875-2877

TOPIC TAGS: intermetallic compound, cadmium sulfide, semiconducting film, cadmium compound, indium compound, antimonide, crystal structure analysis, crystal property, electric property, ion bombardment, indium antimonide, thin film, single crystalline film, thin film deposition, cathodic sputtering, film crystal structure, film electric property

ABSTRACT: Single crystalline thin films of indium antimonide and cadmium sulfide have been deposited by cathodic sputtering (ion bombardment) on single crystalline substrate of rock salt, pyrophyllite, or mica. The advantages of cathodic sputtering over vaporization in vacuum were stressed in depositing thin films of materials whose components have very different vaporization rates. Both InSb and CdS are used in certain [unspecified] devices. The experimental apparatus, an evacuated glass tube, and operating conditions were described. The substrate was heated to a minimum 300C, in the case of InSb, or to 500C in the case of CdS. The sample to

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SHAYKEVICH, S.S., inzhener; OSION, N.L., kandidat tekhnicheskikh nauk; STASEVICH, P.K., inzhener; LEVYNEM, A.G., inzhener.

Cold rolling of stainless steel pipes without cooling. Stal' 16 no.4: 337-342 Ap '56. (MLRA 9:7)

1.Perveural'skiy Novotrubnyy zavod.
(Steel, Stainless) (Rolling (Metalwork))

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVYTOV, V. M.; MAR'YENKO, B. S. (L'vov)

Functional state of the adrenal cortex in spontaneous hypoglycemia (hyperinsulinism). Vrach. delo no.7:124-126 Jl '62. (MIRA 15:7)

1. Klinika psikhiatrii (zav. - zasluzhennyy deyatel' nauki, prof. Ye. V. Maslov) meditsinskogo instituta i psikhonevrologicheskaya bol'nitsa.

(ADRENAL GLANDS) (HYPOGLYCEMIA)
(INSULIN SHOCK)

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

I.T. LEVYUSH and (M. A. Eygeles)

"FLOTABILITY OF BERYL" by M. A. Eygeles, I. T. Levyush

Report presented at 2nd UN Atoms-for-Peace Conference, Geneva, 9-13 Sept 1958

LEVYUSH, I. T.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

BODROV, G., inzh.; LEVYY, G., inzh.

Using hollow reinforced concrete piles. Rech. transp. 22 no.6: 35-36 Je '63. (MIRA 16:9)

(Piling (Civil engineering))

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

KATUNIN, A.T., kand. tekhn. nauk; GIZEVICH, Yu.D., kand. tekhn. nauk; LEVYY, G.M., inzh.; BALASHOV, Yu.M., inzh.

Investigation of the performance of compressed elements with pi and H-shaped lateral cross section in metal bridges. Stor. trud. LIIZHT no. 228:33-54 '64 (MIRA 18:12)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVZNER, R. L.

USSR/Refractory Materials Feb 1947
Fireproofing

"New Methods of Producing Fireproof Materials," Prof R. L. Levzner, Dr of Technical Sciences, 1½ pp

"Nauka i Zhizn'" No 2

Statement on methods of producing chamotte, dinas, and magnesite by new methods to increase output and meet the ever increasing demands. It is suggested that certain industrial waste products be used as a base for developing other fireproof materials.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEVZNER, R.L.

36740 Osnovopolozhnik teorii proizvodstva ogneupornykh materialov. Steklo i keramika, 1949, No. 10, c. 11-14

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0009297

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

GAGALA, Marian; LEWARTOWSKI, Bohdan

Experience with chloropropamide (diabinese) in average cases of diabetes complicated by active purlmonary tuberculosis. Polski tygod.lek. 15 no.50:1919-1922 12 D '60.

1. Z II Zakladu Chorob Wewnetrznych Studium Doskonalenia Lekarzy A.M. w Warszawie; kierownik: doc.dr med. E.Ruzyllo i z II Oddzialu Wewnetrzno-Cukrzycowego Panstwowego Sanatorium Przeciwgruzliczego im. Feliksa Dzierzynskiego w Otwocku; ordynator: lek. M.Gagala.
(TUBERCULOSIS PULMONARY compl)
(ANTIDIABETICS ther)

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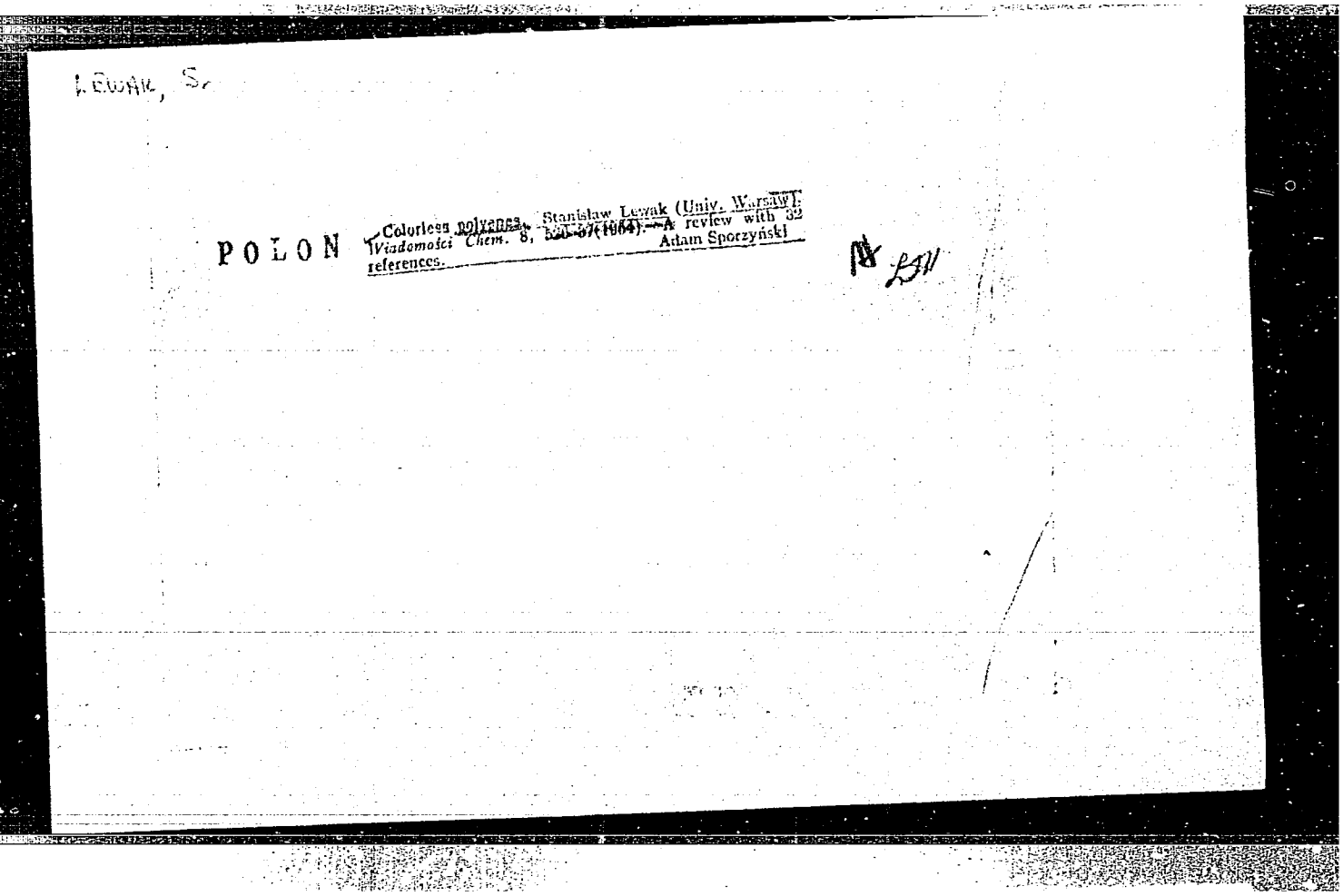

LEWAK, S.

POLON

Colorless polyenes. Stanisław Lewak (Univ. Warsaw). *Wiadomości Chem.* 8, [illegible] (1954). A review with 32 references. Adam Sporzyński

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWAK, S.

Macrolides. p. 433

WIADOMOSCI CHEMICZNE. (Polskie Towarzystwo Chemiczne)
Wroclaw. Vol. 12, no. 8, Aug. 1958
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959
Uncl.

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LEWAK, STANISLAW

5
4E2c (J)
29 (NB)

Isomeric methyl ethers of 3-substituted 4-hydroxycoumarins. Jerzy Cieslak, Stanisław Lewak, and Irena Chmielewska (Univ. Warsaw). *Roczniki Chem.* 33, 349-58(1959)(English summary).—The perchlorate method (*ibid.* 32, 837(1958)) was applied to the title compds. to investigate their coumarin-chromone isomerism. In all cases two tautomers were obtained, but only 2-methoxy chromones (I) gave the perchlorates, which could be sepd. owing to their insoly. in Et_2O or petr. ether. Molar ratios of perchloric acid to I were 1:2 in these salts. This was checked by prepg. 2-methylchromone perchlorate, $(C_{10}H_9O_2)_2.HClO_4$, m. 163–5° (petr. ether). The following perchlorates were prepd. (3-substituent and m.p. given): H, 135–6°; Me, 133–5°; Et, 126–7°; Pr, 129–30°; Bu, 125–6°; *n*-hexyl, 137–8°; PhCHMe, 149–50°; $PhCH(CH_2COMe)$, 133–4°; Ph, 156–7°. The following isomeric pairs were prepd. [3-substituent, % yield, m.p., λ (log ε) of 2-MeO isomer of 4-MeO isomer, % yield, m.p., λ (log ε) given]: H, 72, 125–6°, —(—), 24, 107–8°, —(—); Me, 58, 42–3°, 272(3.99)[282(3.97, 310(3.85)], 36, 76–7°, 295(4.10); Et, 58, 52–3°, 272(4.05) [282(4.03), 310(3.90)], 38, 83–4°, 295(4.04); Pr, 38, 49–50°, 272(4.05) [282(4.03), 310(3.90)]; 310(3.90)], 60, 74–5°, 272(4.05) [282(4.03), 310(3.90)], 45, Bu, 53, 19–20°, 272(4.10) [282(4.08), 310(3.90)], 42–3°, 295(4.03); *n*-hexyl, 65, 8–9°, 272(4.10) [282(4.08), 3.10(3.90)]; 310(3.90)], 32, 28–9°, 272(4.10) [282(4.08), 310(3.98)], PhCHMe, 76, 107–8°, 272(4.11) [280(4.11), 310(3.98)], 23, 106–7°, 295(4.00); $PhCH(CH_2COMe)$, 80, 125–6°, 272(4.10) [280(4.12), 310(4.07)], 18, 78–9°, 295(4.02); Ph, 89, 112–13°, 282(4.09) [310(4.07)], 9, 108–9°, 295–3.98).

Czesław Bankiewicz

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWAK, S.; CIESIAK, J.; CHMIELEWSKA, I.

Isomeric methyl ethers of 3-substituted 4-hydroxycoumarins.p. 349.

ROCZNIKI CHEMII. (Polska Akademia Nauk) Warszawa, Poland, Vol. 33, no. 2, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 9, September 1959.
Uncl.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWAK, Stanislaw

Compounds of the vitamin-K group. Synthesis of 2-methyl-3(1'-phenylpropyl)-1,4-naphthoquinone. Rocz chemii 33 no.4/5:1211-1213 '59. (EEAI 9:9)

1. Katedra Chemii Organicznej Uniwersytetu, Warszawa.
(Vitamin K)
(Methylphenylpropylnaphthoquinone)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWAK, Stanislaw, dr.

Sugars of macrolide antibiotics. Postepy biochemii 6 no.4:487-499 '60. (EEAI 10:3)

1. St. asystent Katedry Biochemii Uniwersytetu Warszawskiego.
(SUGAR) (ANTIBIOTICS) (MACROLIDES)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

CIESLAK, Jerzy; LEWAK, Stanislaw; CHMIELEWSKA, Irena

Tautomerism of 2H-pyrane-2:4-(3H)-diones. Isomeric methyl ethers of 6-ethyl-2H-pyrane-(3H)-dione and 3:3-methylenebis-[6-ethyl-2H-pyrane-2:4-(3H)-dione]. Rocz chemii 34 no.2:423-430 '60. (EEAI 10:1)

1. Katedra Chemii Organicznej i Katedra Biochemii Uniwersytetu, Warszawa.
(Pyranone)

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWAK, S.

New method of the synthesis of peptides. Wiad chem 15 no.8:543-544 Ag '61.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWAK, S.

Systematics and nomenclature of flavonoids. Wiad chem 16 no.11:689-690 N '62.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

CHMIELEWSKA, Irena; JACHYMCZYK, Witold; KANIUGA, Zbigniew; LEWAK, Stanislaw; PASZEWSKI, Andrzej; ZADROZYNSKA, Ewa

Components of Peonia flowers (Peonia lactiflora Pa 11). Pt.1.
Rocz chemii 36 no.11:1599-1605 '62.

1. Department of Biochemistry, University, Warsaw.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKI, Bronislaw; EJSMONT, Wladyslaw

The problem of acclimatization to hot-climate regions. II. Uropepsin contents in the urine from men staying in the chamber of high temperature. Bull. Inst. Mar. Med. Gdansk 15 no.3:193-198 '64.

1. From the Institute of Marine Medicine in Gdansk.

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L 41813-66

ACC NR: AP6031697 (N) SOURCE CODE: PO/0099/66/040/003/0445/0450

19
B

AUTHOR: Lewak, S.

ORG: Department of Biochemistry, University, Warsaw (Katedra Biochemii Uniwersytetu)

TITLE: Vitexin glycosides in hawthorn leaves

SOURCE: Roczniki chemii-annales societatis chimicae polonorum, v. 40, no. 3, 1966, 445-450

TOPIC TAGS: plant chemistry, organic chemistry

ABSTRACT: Two new vitexin glycosides (besides the 4'-rhamnoside) were isolated from hawthorn leaves. The structure of the compounds was investigated. The author thanks Professor, Doctor Irena Chmielewska for suggestions and discussions in the carrying out of this work. Orig. art. has: 4 tables. [Based on author's Eng. abst.] [JPRS: 36,002]

SUB CODE: 06, 07 / SUBM DATE: 09Sep65 / ORIG REF: 001 / OTH REF: 007

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LEWALSKA, E., mgr. inz.

Assistance of "Technika Lotnicza in designing. Techn lotn 17 no.4:2-4 of cover Ap '62.

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LEWALSKA, E., mgr inz.

Drags of small parts. Pt. 3. Techn lotn 17 no.11:4 of cover N '62.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKA, E., mgr. inz.

Drags of the control surfaces. Techn lotn 17 no.11:318-319 N '62.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKA, E., mgr inz.

Drags of various small parts of aircraft. Techn lotn 17 no.8:2 of cover, 3-4 of cover Ag '62.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKA, E., mgr inz.

Drags of fine elements. Pt. 2. Techn lotn 17 no.10:2 of cover, 315-4 of cover O '62.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKA, E., mgr inz.

Friction drags. Techn lotn 18 no.2:4 of cover F '63.

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LEWALSKA, E., mgr inz.

Frictional drag. Techn lotn 18 no.1:3-4 of cover Ja '63.

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LEWAISKA, E., mgr inz.

Drag of single grains of the surface roughness. Pt. 2. Techn lotn 18 no.8:2 of cover, 3 of cover-4 of cover Ag '63.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWAISKA, E., mgr inz.

Material used in aircraft constructions; interference resistance.
Techn lotn 18 no.7:2 of cover, 3-4 of cover Jl '63.

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LEWALSKA, E., mgr inz.

Materials used in aircraft constructions; interference drags.
Pt.2. Techn lotn 18 no.9:2 of cover, 3 of cover S'63

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKA, E., mgr inz.

Interference drags of the wing systems and the engine nacelles.
Techn lotn 19 no. 9:2 of cover, 252-4 of cover S '64.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKA, E., mgr. inz.

Interference drags of eng ne nacelles. Techn lotn 19 no.12:2 of cover, 3-4 of cover D '64.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKA, E., mgr inz.

Interference drags between the wings and the engine nacelle.
Techn lotn 19 no.4:2 of cover, 3-4 of cover Ap '65.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKA, E., mgr inz.

Aerodynamic data used in aircraft design. Techn lotn 19 no. 8:2 of cover, 3-4 of cover Ag '64.

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LEWALSKI, B

SZABUNIEWICZ, B.; LEWALSKI, B.

New pneumographometric method of investigation of respiratory function. Acta physiol. polon. 5 no.4:557-559 1954.

1. Z Zakladu Fizjologii Akademii Medycznej w Gdansku. Kierownik: prof. dr B.Szabuniewicz.
(RESPIRATION, function tests, pneumographometric technic)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

BARAN, C.; LEWALSKI, B.

Pulmonary ventilation in hypoxic-hypercapnic hypothermia in rats.
Acta physiol. polon. 8 no.3:280-281 1957.

1. Z Zakladu Fizjologii A. M. w Gdansku Kierownik prof. dr B. Szabuniewicz.
(HYPOTHERMIA, experimental,
pulm. ventilation in rats (Pol))
(RESPIRATION, physiology,
ventilation in hypothermia in rats (Pol))

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EJSMONT, Wladyslaw; JASZCZENKO, Swietoslaw; KULESZA, Kazimierz; LEWALSKI, Bronislaw; PRZYBOROWSKI, Tadeusz.

Toxicological studies on the impregnate "A". Bull. inst. mar. med. Gdansk 14 no.1:131-138 '63

1. Z Instytutu Medycyny Morskiej w Gdansku.

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APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

EJSMONT, Wladyslaw; LAWALSKI, Bronislaw; WASKIEWICZ, Jerzy; WENT, Adam

The problem of acclimatization to hot-climate regions. I. Some physiological indicators in persons examined in the high temperature chamber. Bull. Inst. Mar. Med. Gdansk 15 no.3:185-192 '64

1. From the Institute of Marine Medicine in Gdansk.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

EJSMONT, Wladyslaw; KULESZA, Kazimierz; LEWALSKI, Bronislaw

Poliary halasu na statkach. Bull. inst. mar.med. Gdansk 14 no.1:139-148 '63

1. Z Instytutu Medycyny Morskiej w Gdansku.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

EJSMONT, Wladyslaw; LEWALSKI, Bronislaw

Microclimatic conditions on tugboats and health conditions of the crew. Bull. inst. mar. med. Gdansk 14 no.1:149-159 '63

1. Z Instytutu Medycyny Morskiej w Gdansku.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKI, Bronislaw

Evaluation of the physical effort of longshoremen employed in a loading operation with minimum mechanization. Bull. inst.mar.med. Gdansk 14 no.1:191-197 '63

The urinary uropepsin level in longshoremen under a heavy work load in areas with minimum mechanization. Ibid.:199-208

1. Z Instytutu Medycyny Morskiej w Gdansku.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKI, Bronislaw; WASKIEWICZ, Jerzy

Investigations concerning the works of dockers employed at cement loading. Bull. inst. mar. med. Gdansk 16 no.1:57-63 '65.

Estimation of the burdensomeness of the work of welders employed in double bottoms of vessels. Ibid.:65-72

1. Z Instytutu Medycyny Morskiej w Gdansku.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

GWOZDZIEWICZ, Jerzy; LEWALSKI, Bronislaw; WASKIEWICZ, Jerzy

Investigations on the surface sensation as a sensitive test for early discovery of disorders of the nervous system in occupational diseases. Bull. inst. mar. med. Gdansk 16 no.1: 73-79 '65.

1. From the Institute of Marine Medicine in Gdansk.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

IWALSKI, S., dr; LEMPKA, A., prof. dr

Report on the activities of the Warsaw branch of the Polish Chemical Society in 1962-1963. Wiad chem 18 no. 6:375-377 Je '64.

1. Polish Chemical Society, Warsaw, secretary (for Iwalski), president (for Lempka).

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

POL/7-60-22-25/46

AUTHOR: Lewalski, Zdzisław, Graduate Engineer

TITLE: Wind Tunnels.

PERIODICAL: Skrzydlata polska, 1960, No. 22, p. 13

TEXT: The author describes the basic principle of a wind tunnel. There is 1 photograph. To be continued.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKI, Z., mgr inz.

On the Polish aircraft Iskra for world records. Horyz techn 18 no.3:6-8 Mr '65.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

P/007/61/000/005/003/004
A076/A026

AUTHOR: Lewalski, Zdzisław, Master of Engineering

TITLE: Analogy in Aerodynamics

PERIODICAL: Skrzydlata Polska, 1961, No. 5, pp. 8 - 10

TEXT: The article presents a short evolution history of analogies successfully applied in aerodynamics, and describes the magneto-hydrodynamic, hydroelectrodynamic, hydraulic and mechanical analogical methods. Further, the author briefly lists equipment needed, i.e. electrolytic tub, electrodes, copper plates, electromagnets and compressed gas, to make laboratory experiments with the above listed methods. In addition, he describes the operating principles of these methods. In addition to Professor Zhukovskiy, a Soviet scientist, Master of Engineering Ewa Lewalska conducted research on the above methods at the Warsaw Polytechnic. There are 3 photographs and 13 figures.

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1.3000 2208 2808 26612 P/008/61/000/008/001/003
D235/D302

AUTHOR: Lewalski, Zdislaw, Master of Engineering

TITLE: Sandwich constructions with honeycomb cores and their applications

PERIODICAL: Technika lotnicza, no. 8, 1961, 162 - 171

TEXT: The article reviews honeycomb sandwich panels, their classifications, strengths, applications, merits, methods of manufacture and inspection and ways of joining them. It is written for the aircraft engineer. The author commences the article with an illustration of a typical honeycomb sandwich panel construction and comments on its advantages in aircraft construction on account of the lightness, good load carrying capability, stiffness, smooth surface, resistance to fatigue, good dumping of oscillations, localization of failure, sound proofing, resistance to high temperatures and the possibility of turning it into an efficient, light structure with good interior utilization. Then he discusses the core material and

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Sandwich constructions...

shape of cells with the following conclusions: 1) paper core - good pressure carrying capacity, poor shear; 2) plastics reinforced with glass fiber - good load carrying capacity and dielectric characteristics, expensive; 3) light alloys - good in carrying loads, cheap; 4) stainless steel - excellent in carrying load and resistance to high temperatures, expensive. He classifies shapes of cells into straight-walled (i.e. hexagonal) and cruved-walled (i.e. sinusoidal) types, for extra strength and stiffness cells with straight reinforcing strips, and cores made from one sheel of metal (by pressing and cutting), which permits the flow of fluid between sandwich covers. Crushing and shear strength of panels of specific core material, thickness and weight are given in two tables, one of them being by Aeroweb (U.S.A.). Then the author discusses methods of sandwich manufacture. The honeycomb being produced by the strip method which consists of gluing strips of metal together and then stretching them into required shape, or forming the strips into

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corrugations and then gluing them together. Shaping core thickness for subsequent core to cover gluing is done by the "valve cutter" method or by filling the core with hardening substances and then shaping them with a saw or a plane. The author stresses the importance of good core to cover joining and comments on ways of doing this and efficiencies obtained: 1) Joining by electric heating, 25% efficient joint; 2) Soldering, 90% efficiency; 3) Gluing (Redux, Araldite). Here the author describes the process of gluing with Redux 775, also mentions the "Avro" method for corrugated sheet core. The quality control is done by testing specimens to destruction by X-rays and by the accoustic method. The ways of making joints to diffuse concentrated loads in plane of sandwich panels, of joining panels together and finishing the raw edges, and of binding the sandwich panels into aircraft components is discussed and illustrated by diagrams. Two ways of diffusing in plane concentrated loads are given, one a wedge glued into the core of the sandwich panel, the other a reinforced hole. The panel joints, suitable for spanwise wing

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Sandwich construction...

connections consist of a lap joint, bolted together, of two light alloy strips glued (rivetted) into the sandwich core along the panel edges, and a channel type bolted internally along the common edge. Engings of panel raw edges are obtained with sandwich core fillings with rectangular, hollow sections, channels, Z-sections or by ⌐⌙ shape endings of covers with part of the core removed or crushed. Joints for direct load diffusions (spar, rib to cover panels) are of the reinforced hole type with bolts (rivets) in a distance piece to prevent crushing of the core, T and F - sections at the joint of two sandwich plates. For high temperatures, the author points out, the light alloy will have to be replaced by steel and heating resisting alloys and the joints will have to be made by soldering or welding. Other possible solutions are by passing cooling liquid between covers of the sandwich, or by applying a heat insulating cover to prevent heat flow into the structure. There are 47 figures and 18 references, 7 Soviet-bloc and 11 non-Soviet-bloc. The references to the four most recent English language publications

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Sandwich construction... 26612 P/008/61/000/008/001/003
D235/D302

read as follows: H. R. Ashley, Sandwich Structure, The Aeroplane and Astronautics, (1960) p.283; G. S. Newell, Honeycomb Sandwich Structures, Welling and Metal Fabrication, p. 407, (1959); Fiberglass Honeycomb Product Engineering, p. 50, (1960); Chemical mill Shapes honeycomb to ±0,005 Metalworking Production, p. 163 (1960).

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Card 5/5

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKI, Zdzislaw, mgr.inz.

From Warsaw City to the Hel Peninsula. Horyz techn 14 no.9: 398-403 S '61.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKI, Z., mgr inz.

MD-12, the Polish contribution to the discussion on short-distance communication by air. Horyz techn 15 no.12:10-13 '62.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKI, Zdzislaw, mgr. inz.

The honeycomb sandwich construction and its application.
Techn lotn 16 no.8:162-171 Ag '61.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKI, Zdzislaw, mgr inz.

This time it is the power of the atom. Horyz techn 15 no.11:24-26 '62.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKI, [redacted]zislaw, mgr inz.

Vertical take off and landing. Horyz tecim 17 no.3:10-12 Mr '64.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWALSKI, Z., mgr inz.

On aviation accidents with loss emotion. Przyz techn 17 no.8: 3-5 Ag '64.

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BASZCZYNSKI, J.; LEWANDOWICZ, J.; NOWICKI, S.; ZAWADZKI, R.

Myocardial infarction in a 2-month-old infant with primary Pulmonary hypertension. Kardiol. Pol. 7 no.1:63-68 '64.

1. Z II Kliniki Pediatrycznej Akademii Medycznej (Kierownik: prof. dr. E. Redlich) i z Pracowni Anatomopatologicznej Panstw. Szpitala Klinicznego Nr. 4 w Lodzi (Kierownik: dr. R. Zawadzki).

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[illegible]CZYNSKI, J.; [illegible], J.; [illegible], J.; [illegible], H.

Myocardial infarction in a 2-month-old infant with primary Pulmonary hypertension. Kardiol. Pol. 7 no.1:63-68 '64.

1. Z II Kliniki Pediatrycznej Akademii Medycznej (Kierownik: prof. dr. E. Redlich) i z Pracowni Anatomopatologicznej Panstw. Szpitala Klinicznego Nr. 4 w Lodzi (Kierownik: dr. R. Zawadzki).

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWANDOWSKA, Albina

Pattern sizing in designing knitted clothing. Przegl wlokien 17 no.6:Suppl:Biul przem dziew i poncz 1 no.3: 1-3 Je '63.

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

GRABOWSKI, Aleksander; IWANI[illegible]KA, Alfreda

Some comments on prosthetic treatment following extensive surgical interventions. Czas. stomat. 18 no. 12:1407-1411 D '65.

1. Z Kliniki Protetyki Stomatologicznej AM w Warszawie (Kierownik: prof. dr. J. Celasinska-Landsbergerowa).

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POLAND / Chemical Technology. Chemical Products and Their Applications. Food Industry. H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13598.

Author : Bednarczyk, Wladyslaw; Lewandowska, Blandyna; Krzyzanovska, Maria.

Inst : Not given.

Title : Determining Lactose in Technical Lactose and Whey as Well as Determining Lactose and Saccharose in Condensed Milk with Sugar.

Orig Pub: Prace Inst. przem. mleczarsk., 1958, 5, No 1, 9-35.

Abstract: Determinations were made of lactose in whey and technical lactose, and in condensed milk with sugar, by the Bertrand, colorimetric with picric acid, colorimetric with anthrone, and polarometric methods. By statistical treatment of the results, it was established that the Bertrand method can be

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Lewandowska, B.S.

Country : POLAND H-28
Category : Chemical Technology. Food Industry

Abs. Jour : Ref Zhur-Khimiya, No 14, 1959, No 51440

Author : Lewandowska, B.S.
Institute :
Title : Grading System Employed in the Organoleptic Analysis of Products

Orig Pub. : Przetwor, owoc-warz. i koncentr., 1958, [illegible], No3, 85-88

Abstract : A critical review of a grading system applied to food products used in their organoleptic evaluation is presented. Presented is a scheme of grading (that includes an example for tomato puree), based on 5 variable qualities considered in the evaluation. Each of these qualities is given a range of values, which, depending on the product condition, is multiplied by a factor ranging from 0 to 5. The total evaluation of a product is the sum of

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Category : Chemical Technology.

Abs. Jour : Ref Zhur-Khimiya, No 14, 1959, No 51440

Author :
Institute :
Title :

Orig Pub. :

Abstract : all 5 qualities, each multiplied by a respective factor. As, for instance, the index of taste is a combination of the taste intensity and specific kind of a taste. The first one is assigned a value of 1, and the second 5. In a well defined sour-sweet taste (of tomato puree the evaluation of taste comprizes $1 \times 5 + 5 \times 5 = 30$. So, it is graded 30. The highest grade possible is the sum of all the indexes, which is 100.

--A. Fabinskiy

Con'd

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWANDOWSKA, B.

TECHNOLOGY

Periodicals: NORMALIZACJA. Vol. 26, No. 10, October 1958.

LEWANDOWSKA, B. Determining the number of unit samples for characterizing a lot of milk. P. 487.

Monthly List of East European Accessions (EEAI)LC, Vol. 8, No. 2, February 1959, Unclass.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

Lewandowska, B. ; Rojowska, L.

New methods of organoleptic and microbiologic research on canned green peas. p. 106.

PRZEMYSL SPOZYWCZY. (Stowarzyszenie Naukowo-Technicze Insynierow i Technikow Przemyslu Spozywczego) Warszawa, Poland. Vol.13, no. 1/3, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9 no. 2, Feb. 1960.

Uncl.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

POLAND

LEWANDOWSKA, Blandyna, mgr.

Department of Analytical Chemistry, Pharmaceutical Institute (Zaklad Analityczny Instytutu Farmaceutycznego), Warsaw.

Warsaw, Chemia analityczna, No 6, November-December 1965, pp 1353-1356.

"Determination of fluorine in organic compounds on the micro and semimicroscale."

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWANDOWSKA, Danuta; TYSZKA, Krystyna

Tuberculin test in children. Interpretation. Polski tygod. lek. 15 no.32:1227-1230 ' Ag '60.

1. Z Sanatorium Przeciwgruzliczego dla Dzieci w Lagiewnikach; kierownik: prof. dr. med. Anna Margolisowa
(TUBERCULIN REACTION in infancy & childhood)

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWANDOWSKA, I.

LEWANDOWSKA, I. Substitutes for natural casings. p. 17.
Supplement to the article "Simplification of the Principles of Rationalization, Some Investment Activities, and Other Matters." P. 19.

Vol. 8, No. 1, Jan. 1956
GOSPODARKA MIESNA
TECHNOLOGY
Warszawa, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

LEWANDOWSKA, I.

New methods of determining the water content of food products. p. 35.
(Gospodarka Miesna, Vol. 8, No. 7/8, July/Aug 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

HIRSZFELDOWA, Hanna; JANIAKOWA, Alina; LEWANDOWSKA, Janina

Hemophilic symptoms in the course of Still's disease. Polski tygod. lek. 12 no.52:2007-2014 30 Dec 57.

1. (Z I Kliniki Pediatrycznej Akademii Medycznej we Wroclawiu; kierownik klinik: prof. dr Hanna Hirszfeldowa i z III Kliniki Chorob Wewnetrznych Akademii Medycznej we Wroclawiu; kierownik Kliniki: prof. dr Edward Szczeklik.) Adres: Wroclaw, Klinika Pediatryczna, Akademii Med.

(ARTHRITIS, RHEUMATOID, in inf. & child
Still's dis., with hemophilic sympt. (Pol))
(HEMOPHILIA
hemophilic sympt. in Still's dis. (Pol))

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"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710

ZAPALA, Zdzislaw; LEWANDOWSKA, Janina; GROCHOWSKI, Jan

Pierre Robin syndrome. Pol. przegl. chir. 34 no.7:729-732 '62.

1. Z II Kliniki Chirurgicznej AM w Krakowie Kierownik: prof. dr J. Oszacki.

(MANDIBLE) (TONGUE) (CLEFT PALATE)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R000929710